

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/005037

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16C33/10 F16C17/10 F04D29/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16C F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05, 3 May 2002 (2002-05-03) - & JP 2002 005155 A (NSK LTD), 9 January 2002 (2002-01-09)	1
A	abstract; figure 2 & DATABASE WPI Section PQ, Week 200244 Derwent Publications Ltd., London, GB; Class Q62, AN 2002-408795 & JP 2002 005155 A (NIPPON SEIKO KK) 9 January 2002 (2002-01-09) abstract	6,7,9
X	EP 0 791 762 A (QUANTUM CORPORATION) 27 August 1997 (1997-08-27)	1,3,5
A	column 2, line 36 - column 3, line 32; figures 1-6	4,6,7,9
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

15 March 2005

Date of mailing of the international search report

22/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fischbach, G

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 612 135 A (DOUANNE, ANDRE) 24 August 1994 (1994-08-24) column 7, line 58 - column 8, line 48; figure 17	1,3,5,9
A	----- US 2003/133633 A1 (NAKAMURA JUNICHI) 17 July 2003 (2003-07-17) paragraph '003f! - paragraph '0039!; figures 7-9 -----	1,3,4,6, 7,9

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2002005155	A	09-01-2002	NONE	
EP 0791762	A	27-08-1997	US 5580175 A	03-12-1996
			DE 69612607 D1	31-05-2001
			DE 69612607 T2	09-08-2001
			EP 0791762 A2	27-08-1997
			JP 9112545 A	02-05-1997
			SG 44052 A1	14-11-1997
EP 0612135	A	24-08-1994	FR 2701610 A1	19-08-1994
			EP 0612135 A1	24-08-1994
US 2003133633	A1	17-07-2003	JP 2002070849 A	08-03-2002
			CN 1388871 A	01-01-2003
			WO 0218804 A1	07-03-2002